



M5B

OEM Users Guide



Software Instructions

1. Verify host machine is physically connected to AirGrid device.
2. Configure host system for static IP on the 192.168.1.x subnet.
3. From a web browser access 192.168.1.20 (default AirGrid IP address).
4. When login window appears enter "ubnt" in both the username and password fields.
5. For further operation instructions please visit the support site at www.ubnt.com.

Default IP: 192.168.1.20

username: ubnt password: ubnt

TECHNICAL SPECIFICATIONS

| SYSTEM INFORMATION | | | | | | | | |
|---------------------------------------|----------|---|-----------|------------------------|----------|--------------|-----------|--------|
| Processor Specs | | Atheros MIPS 24KC, 400MHz | | | | | | |
| Memory Information | | 32MB SDRAM, 8MB Flash | | | | | | |
| Networking Interface | | 1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface | | | | | | |
| REGULATORY / COMPLIANCE INFORMATION | | | | | | | | |
| Wireless Approvals | | FCC Part 15.247, IC RS210, CE | | | | | | |
| RoHS Compliance | | YES | | | | | | |
| OPERATING FREQUENCY 5475MHz-5825MHz | | | | | | | | |
| 5GHz TX POWER SPECIFICATIONS | | | | 5GHz RX SPECIFICATIONS | | | | |
| | DataRate | Avg. TX | Tolerance | | DataRate | Sensitivity | Tolerance | |
| 11a | 1-24Mbps | 25 dBm | +/-2dB | | 1-24Mbps | -97 dBm min. | +/-2dB | |
| | 36Mbps | 24 dBm | +/-2dB | | 11a | 36Mbps | -80 dBm | +/-2dB |
| | 48Mbps | 23 dBm | +/-2dB | | | 48Mbps | -77 dBm | +/-2dB |
| | 54Mbps | 21 dBm | +/-2dB | | | 54Mbps | -75 dBm | +/-2dB |
| 5GHz 11n | MCS0 | 25 dBm | +/-2dB | | MCS0 | -96 dBm | +/-2dB | |
| | MCS1 | 25 dBm | +/-2dB | | 5GHz 11n | MCS1 | -95 dBm | +/-2dB |
| | MCS2 | 25 dBm | +/-2dB | | | MCS2 | -92 dBm | +/-2dB |
| | MCS3 | 25 dBm | +/-2dB | | | MCS3 | -90 dBm | +/-2dB |
| | MCS4 | 24 dBm | +/-2dB | | | MCS4 | -86 dBm | +/-2dB |
| | MCS5 | 22 dBm | +/-2dB | | | MCS5 | -83 dBm | +/-2dB |
| | MCS6 | 21 dBm | +/-2dB | | | MCS6 | -77 dBm | +/-2dB |
| | MCS7 | 20 dBm | +/-2dB | | | MCS7 | -74 dBm | +/-2dB |
| PHYSICAL / ELECTRICAL / ENVIRONMENTAL | | | | | | | | |
| Enclosure Size | | 16cm length x 8cm width x 3cm height | | | | | | |
| Weight | | 0.5 kg | | | | | | |
| Max Power Consumption | | 6 Watts | | | | | | |
| Power Supply | | POE up to 24V DC (sold separately) | | | | | | |
| Power Method | | Passive Power over Ethernet (pairs 4,5+; 7,8 return) | | | | | | |
| Operating Temperature | | -30C to 75C | | | | | | |
| Operating Humidity | | 5 to 95% Condensing | | | | | | |
| Shock and Vibration | | ETSI300-019-1.4 | | | | | | |

COMPLIANCE INFORMATION

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The antennas used for this transmitter must be installed to provide a separation distance of at least following distance from all persons and must not be located or operating in conjunction with any other antenna or transmitter.

20cm distance for the Omni Antenna

INDUSTRY CANADA

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

The device has been designed to operate with the antennas listed below and having a maximum gain of 6dBi. Antennas not included in this list or having a gain greater than 6 dBi are strictly prohibited for use with this device. The required antenna impedance is 50 ohms

This device must be professionally installed and is designed for for outdoor point-to-point wireless links.